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- (54) Title: **DEVICE AND METHOD FOR PRESSURE AND FLOW CONTROL IN PARALLEL REACTORS**
- (57) Abstract: The present invention relates to a method and a device for the parallel study of chemical reactions in at least two spatially separated reaction spaces. In particular, the invention is suitable for reactions which are not constant volume reactions and/or for reactions in which fluid flows through at least two spatially separated reaction spaces are intended to be controlled together for all the reaction spaces, or for related subsets of them, in the most straightforward way possible. According to one embodiment, the device according to the invention for the parallel study of chemical reactions comprises at least the following components: (a) at least two spatially separated reaction spaces; (b) on the reaction space input side, at least one common educt feed for the reaction on the reaction space output side, at least one convection per reaction space to at least one holding gas feed common to all the reaction spaces, or subsets of them; (e) on the reaction space output side, and downstream of the connection to the holding gas feed according to (d) in the product flow direction, at least one restrictor per reaction space.
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